Kansas Silver Jackets Program Measureable Benefits
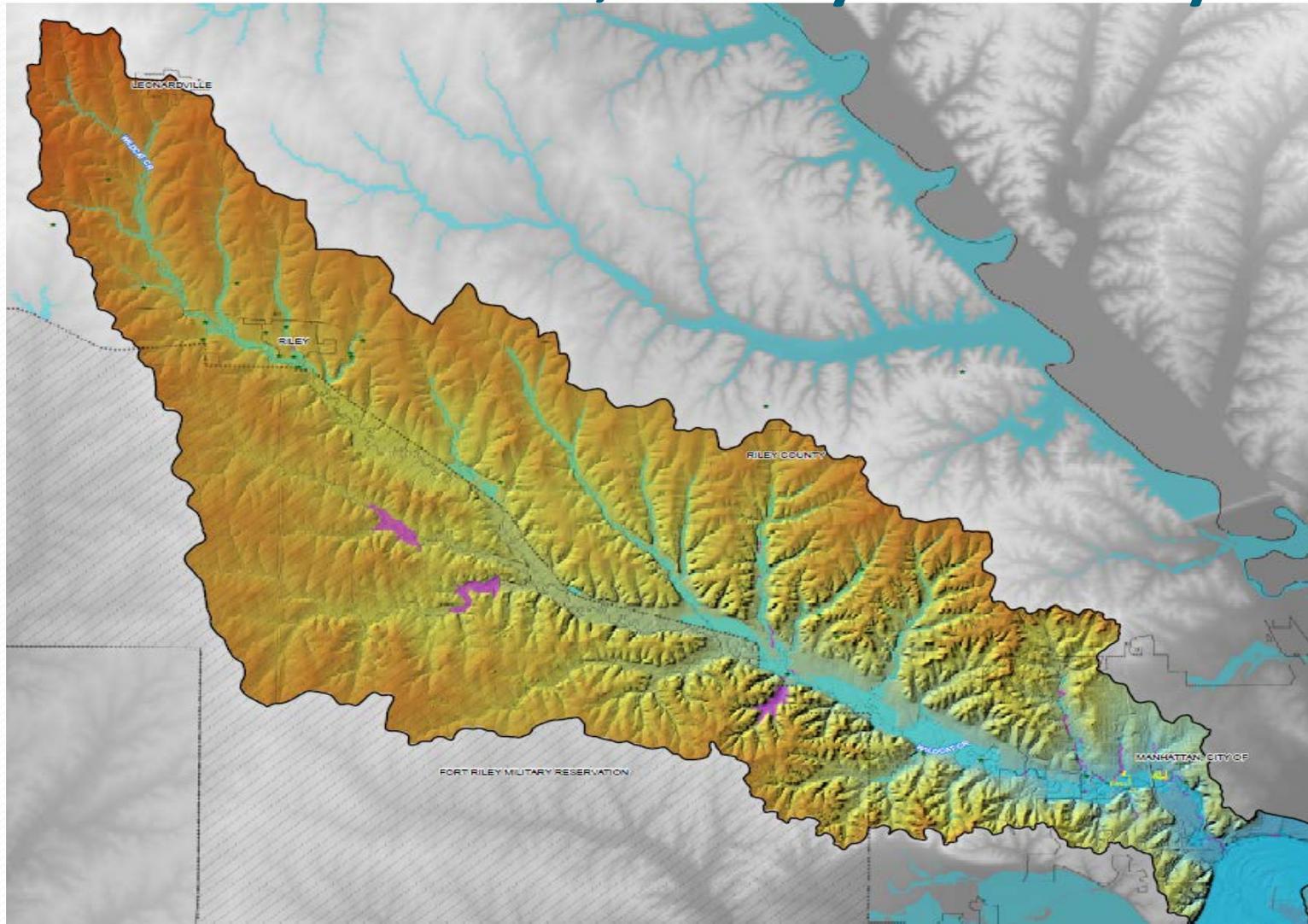
Tom Morey
Kansas Department of Agriculture

Dec. 2, 2015

Projects Update

- NWS Predictive Modeling Projects

  - Include stream gaging

  - Response to flood events

  - Initiated a long term project on the Missouri River

- Floodplain Management Plans

  - Wildcat Creek, Turkey Creek

- Non-Structural Assessments

  - Establish Benefit-Costs

  - Response to communities impacted by unaccredited levees

- Public Outreach and Education Projects

  - Big Blue River Education, Floodproofing Model, Risk MAP/Corps Map, Regional Planning Councils/Trainings

Manhattan, Riley County

Wildcat Creek

Flood Inundation Mapping—NWS AHPS models
- Immediately in use by Emergency Management and Public Works

Flood Risk Management Plan
- Established priorities for mitigation strategies
- Community adopted higher regulatory standards

Non-Structural Floodproofing Demonstration Project
- Looked at multiple strategies for multiple building types
- Established Benefit Costs Ratios
- Used immediately by the community in prioritizing mitigation projects

HUD NDRC Application

Wildcat Creek Watershed—Manhattan and Riley County

- Flood risk reduction through detention/retention on public and private property.

- Streambank stabilization

- Non-Structural Floodproofing (Buyouts, Elevations)

- Green Infrastructure

- Education and Research

QUESTIONS?